

CLAIMS

1. A control device for controlling a building comprising:

control means for changing the configuration of at least one component, of components making up said building; and

acquiring means for acquiring status information;

wherein said control means change said configuration physically or visually based on said status information acquired by said acquiring means.

2. The control device according to Claim 1, wherein said status information is information which is transmitted by broadcasting.

3. The control device according to Claim 1, wherein said status information is information indicating the status of a person present in said component, illumination in said component, temperature in said component, volume in said component, information to be transmitted by broadcasting, or point-in-time.

4. The control device according to Claim 1 further comprising status information storing means which stores a

list relating to said status information.

5. The control device according to Claim 1, wherein said control means change said configuration by deforming the shape of a shape-variable member disposed around a gap formed in said building, based on said status information.

6. The control device according to Claim 5 further comprising determining means for determining importance of said status information;

wherein said control means deform the shape of said shape-variable member based on said importance.

7. The control device according to Claim 6 further comprising status information storing means storing a list which associates said status information with said importance of the status information thereof.

8. The control device according to Claim 5, wherein said shape-variable member changes in shape by being subjected to application of pressure under a predetermined condition;

said control means comprising:

preparing means for performing preparation, by giving a predetermined condition to said shape-variable member, to deform the shape thereof;

pressure measurement means for measuring pressure applied to said shape-variable member by an actuator for applying pressure; and

actuator control means for controlling said actuator which applies pressure to said shape-variable member depending on the pressure value to be measured by said pressure measurement means.

9. The control device according to Claim 8, wherein said shape-variable member changes in shape by being subjected to application of pressure under a predetermined condition in which said shape-variable member is in a electricity conducting state.

10. The control device according to Claim 5, wherein said shape-variable member makes transition to a shape-fixed state in which the shape thereof is not changed, and a shape-variable state in which the shape thereof can be changed.

11. The control device according to Claim 5, wherein said shape-variable member is made up of shape memory alloy.

12. The control device according to Claim 1, wherein said control means change said configuration relating to power

supply to an electric socket disposed in said building based on said status information.

13. The control device according to Claim 12 further comprising order storing means storing a list relating to the order for shutting off power supply to an electronic appliance connected to said electric socket;

wherein said control means shut off power supply to said electric socket connected with said electronic appliance in the order in accordance with said list.

14. The control device according to Claim 12 further comprising correlation acquiring means for acquiring the correlation between said electric socket and the electronic apparatus connected to said electric socket;

wherein said control means shut off power supply to an electric socket connected with said electronic apparatus based on said correlation.

15. The control device according to Claim 14, wherein said correlation acquiring means acquire said correlation, in the event of said status information being acquired by said acquiring means.

16. The control device according to Claim 14, the plug of

said electronic apparatus connected to said electric socket comprising:

storing means storing identification information which identifies said electronic apparatus; and

an antenna for transmitting said identification information stored in said storing means using airwaves;

wherein said correlation acquiring means recognize said electronic apparatus based on said identification information transmitted by said antenna.

17. The control device according to Claim 14, wherein said correlation acquiring means recognize said electronic apparatus connected to said electric socket using a wireless tag.

18. The control device according to Claim 14, wherein the plug of said electronic apparatus connected to said electric socket transmits identification information which identifies said electronic apparatus using airwaves;

and wherein said correlation acquiring means receive said identification information using said airwaves through an antenna having directivity, and recognize said electronic apparatus from the identification information thereof.

19. The control device according to Claim 14, wherein

said correlation acquiring means recognize the position of said plug by receiving the airwaves transmitted from the plug of said electronic apparatus connected to said electric socket through an antenna having directivity, and recognize said correlation based on the position of the plug thereof.

20. The control device according to Claim 12 further comprising determining means for determining importance of said status information acquired by said acquiring means;

wherein said control means change said configuration relating to power supply to said electronic apparatus connected to said electric socket based on said importance.

21. The control device according to Claim 20 further comprising status information storing means storing a list which associates said status information with said importance of the status information thereof.

22. The control device according to Claim 1 further comprising:

image display means for displaying an image; and

function control means for changing the function of said image display means;

wherein said function control means control the function of said image display means depending on the change

of said configuration.

23. The control device according to Claim 22, wherein said image display means are made up of a windowpane.

24. The control device according to Claim 23, wherein said function control means change the transparency of said windowpane.

25. The control device according to Claim 1 further comprising image display means for displaying an image; wherein said image display means are made up of a wall; and wherein said control means visually change said configuration by displaying said image on said image display means based on said status information.

26. A control method of a control device for controlling a building including:

a control step for changing the configuration of at least one component of components making up said building; and

an acquiring step for acquiring status information; wherein the processing in said control step changes said configuration physically or visually based on said status information acquired in the processing in said

acquiring step.

27. A recording medium in which a program for causing a computer to execute processing for controlling a building is recorded, said program comprising:

a control step for changing the configuration of at least one component, of components making up said building; and

an acquiring step for acquiring status information;

wherein the processing in said control step changes said configuration physically or visually based on said status information acquired in the processing in said acquiring step.

28. A program for causing a computer to execute processing for controlling a building, said program comprising:

a control step for changing the configuration of at least one component, of components making up said building; and

an acquiring step for acquiring status information;

wherein the processing in said control step changes said configuration physically or visually based on said status information acquired in the processing in said acquiring step.

29. A building comprising:

control means for changing the configuration of at least one component of components making up said building; and

acquiring means for acquiring status information;

wherein said control means change said configuration physically or visually based on said status information acquired by said acquiring means.

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